Imaging imagination : a multi-method investigation into the brain dynamics of visual mental imagery

Propositions belonging to the dissertation

Imaging imagination: A multi-method investigation into the brain dynamics of visual mental imagery

by Aline W. de Borst

1) The mesial SFG plays a central role in visual mental imagery that goes beyond motor planning or effort.
2) The integration of information from different measurement modalities (e.g. EEG, fMRI) and different areas of research (e.g. memory, visual perception, imagery, attention, audition) is crucial to understand a complex cognitive process such as mental imagery.
3) Extensive synchronization and de-synchronization in anterior and posterior brain sites underlie the process of mental imagery.
4) The complexity of a neuro-anatomical model reaches its optimum of comprehension around 9 nodes, rather than the true amount of nodes.
5) Measuring functional MRI and EEG simultaneously should only be done when essential to the research question.
6) Attending conferences is purposeful for every PhD student, not only to get feedback from leaders in the field and regain great motivation for work, but also to learn to optimize the coffee-talks-presentation-dinner-party-coffee-talks(..)- continuum.
7) Current political opinions that the knowledge technology will grow while cutting on research and education funds is contradictory.
8) Doing well-founded research and publishing well requires different skill-sets.
9) "Sanity is not truth. Sanity is conformity to what is socially expected. Truth is sometimes in conformity, sometimes not" (Robert M. Pirsig - Zen and the art of motorcycle maintenance).
10) The chances of receiving an off-balance cocktail will be higher when produced by Aline than by any other colleague.